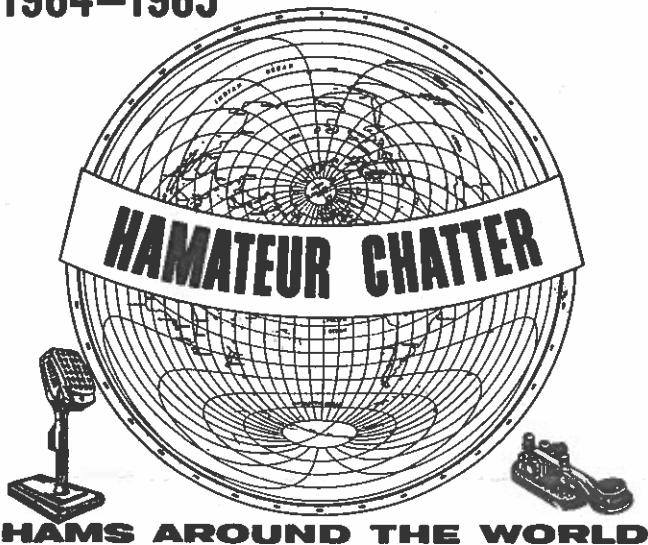


The Milwaukee Radio Amateurs' Club, Inc.

PAGE ONE

The World's Oldest Continuously Active Radio Amateur Club

1964-1965



HAMS AROUND THE WORLD

COMING EVENTS

With our print shop in process of moving, we face problems - - \$000000 - we are calling this issue "March-April" and hope we can straddle the moving dates (between March 20th and April 20th). So here are some target dates for "Meetings To Come:

April 1st & 6th --This will be a combined meeting if John Huntoon can arrange a stop in Milwaukee, for himself or Ed Handy who will be on their way to the Midwest ARRL convention at Des Moines. Further details by card and announcements on 146.67 Monday nights at 2100.

April 15th --MRAC-AREC at regular meeting place MSOE 7:30 p.m. Dick Youmans of Motorola, Chicago, will speak on wide band FM amateurs operations using remote and repeaters. Phil Schuman of Motorola, Chicago, will speak on a similar mode using mobile and fixed. Phil is president of the Chicago Ham club, primarily Motorola people. **N O W THIS** is a meeting that we have been a long time in planning and every one interested in this RAPIDLY growing mode should make an effort to attend, besides the weather will be better---and our old friend Harry Harrison W9LLX promises to be here.

April 22nd --Red Cross Sub-Committee, at Chapter House, 26th and Wis., 7:30 p.m. Bob Goldstein, chairman.

PRESIDENTS CORNER

It has been quite remarkable to see the attendance at club meetings during the lousy weather of this past winter season, since many of our programs are arranged way out in front, it becomes obvious that predicting weather does not enter into our planning. We like to present a decent attendance to our guest speakers since in a way it does reflect the clubs interest in his topic. We do discuss topics at our board meetings, then plan to get an authority on the subject. This has proven to be successful because our meetings have benefited through these qualified people addressing the club.

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BOARD MEMBERS: Royal Miller, W9CJO (Chairman); Fred H. Zolin, W9ONY; Lowell Warshawski, W9NGV; William Fale, W9BLQ; Charles Dawson, W9CUW; Russell Burss, W9RKP; Frank J. Seboth, W9NLY

Our social events under Clarence Crepo, W9VD, for Old Timers and Russ Burss, W9RKP, for the Valentines Party were both very well attended.

Bernie Moores, K9KLM, our membership chairman, is now operating a streamlined activity that appears to work quite well, it's only a week between application and issuance of club membership.

Hamateur Chatter under Fred Zolin, W9ONY and Jack Doyle, W9GPI, rolls ever onward and attracts attention from clubs all over the country and on the subject of the publication, a greatful tip of the lid to "Hoppy", W9KYT, our shutter bug and Ted Willett, our printer from Sterman Electronic Supply.

In closing, we attempt to send Hamateur Chatter to all ex-Milwaukeeans who write us or whose address is known to us if we have any such address, pass them on to us and we'll attempt to keep the spirit Hamwise of Milwaukee alive.

MAKE A MEETING - WE DO MISS YOU!

(Carl Rohde, W9ROM, pres.)

BATTERIES

Particularly The Kind In Your Car

The LIFE and efficiency of any battery can be prolonged by using DISTILLED water. This is a fact and your de-humidifier or any friend who has one can supply enough to last a year - if you only furnish the ONE GALLON bottle.

Never fill the cells to the level of the hole, just fill until the PLATES are covered - - TOO MUCH WATER is bad, since under a charge the stuff EXPANDS - makes it's way out the VENT-HOLES and covers the OUTSIDE TOPS. This creates a capillary action that causes excess "GASSING". Terminals "gunk" up with sulphation that creates resistance, robs voltage, and adds resistance to the flow of your charging rate. Other components in your electrical system becoming effected, are the generator and voltage regulator which depend upon CONSTANT VOLTAGE for best operation. SOOOO, watch the filling, keep the TOP DRY, keep TERMINALS CLEAN (a bit of vaseline wont hurt) and the battery will work better - - longer.

MARCH APRIL 1965 No. SIX

FINAL RESULTS ON CLASS C- CONDITIONAL CLASS LICENSING

Publicity has been given to the proposed rule making to extend the perimeter from 75 to 175 miles for the giving of this form of license by another amateur.

FCC has considered all objections to - and all supporting letters for this rule making and under docket #15640 has ruled as follows:

"Qualified support was received from a number of licensees who feel that the present holders of Class C (Conditional), excluding the physical handicapped or disabled, should be required to report for Commission supervised examinations, for license renewal, or when they move within 175 miles of an examination point. As stated in the notice, it is not intended that any action be taken with regard to present Conditional Class holders in this rule making procedure. It is noted, however, that a continuing study is being made of the feasibility of, and necessity for, the imposition of a requirement of the nature suggested by these comments."

"Objections to the proposal were submitted by some licensees, because of the burden of travel under extreme conditions. The Commission is aware that the proposed amendments could possibly result in genuine hardship in some few instances such as remote areas in Alaska and Hawaii. For such cases there is provision of a possible waiver action."

In our area there exists a limited area in Northern Wisconsin, Upper Michigan and Northern Minnesota where the 175 mile rule may apply.

The docket and rule making was adopted on February 4th, 1965 and becomes effective April 15th, 1965.

FROM FCC "GENERAL INFORMATION"

Complaints were received of a strong steady signal on an amateur band. The case was referred to the FCC monitoring station at Kingsville, Texas, and the direction finding net of four monitoring stations went into action. It not only fixed the origin in the Houston area, but identified the cause as an "idling transmitter". An FCC engineer in a mobile unit from Houston traced the offending transmitter to the home of another amateur. The inspection resulted in several violation notices, including failure to notify the FCC of a change in address:

RECENT FCC ACTION ON CB

Dated March 4th, 1965
Condensed by W9GPI

Last week the commission took final action on its proposal to tighten CITIZENS BAND rules, the restrictions which had been challenged by some portions of the industry and users. Some of the commissions comment regarding HOB-BY USAGE of C.Bers are of interest to amateurs.

The Citizens Radio Service was created to provide a needed communications tool for the average citizen for the transmission of messages which are necessary for the conduct of business or personal activity.

New Rules to Begin on Radio Use

Washington, D. C.—A—New rules to cut down chatter on the citizens radio band will be enforced by the federal communications commission beginning Apr. 26.

In adopting the new rules last year, the FCC re-emphasized that the purpose of the citizens radio service was to provide communication between separate radio units of a single licensee, such as a farmer or a businessman with delivery trucks—and only when other means of communication were unavailable.

The new rules specifically prohibit operators from indulging in communications for hobby or diversion.

The rules also forbid citizens radio stations to transmit obscene or indecent language, communications for hire, program material for retransmission on a broadcast facility, malicious interference with another station's communications, material for transmission directly to the public through public address systems and phony distress signals.

Also forbidden are advertising or soliciting the sale of goods or services, along with messages in other than plain language.

The use of Citizens radio stations for operation as a hobby, in and of itself, has never been permitted. Despite this fact, hobby-type uses involving communications between stations of different licensees is prevalent on all citizens band frequencies to the substantial detriment of the legitimate users and in contravention of the primary purpose of the service, which is to provide communications between units of the SAME STATION.

As indicated, a number of Citizens Band licensees have asserted that they were misled into believing that hobby-type communications were permitted by advertising of some equipment manufacturers and dealers and by articles appearing in various publications. While the Commission has no control over the advertising of manufacturers and dealers or over the content of articles appearing in publications directly, it has gone to great lengths to make available to the interested public accurate information for use of this service. Numerous bulletins and public notices describing the basic limitations on use of Citizens Radio Service have been mailed to applicants and licensees as well as manufacturers and publishers.

A copy of bulletin which clearly states that HOBBYING is prohibited has been sent with virtually every Citizens Band license.

Further, every applicant is required to certify that he has a current copy of the rules and in recent years to certify that he has read and understand the rules and will operate in compliance therewith.

The Commission again points out that those persons who consider radio communication, per se-as important elements in their activities may become amateur radio stations by passing the required amateur exams. Although the Amateur Radio Service is not established for "hobby" communications purposes as ends in themselves, neither are such type communications prohibited.

A petition RM-661 has been filed by the American Citizens Band Association, Inc., requesting the allocations of frequencies for hobby purposes.

Another petition, RM-406, filed by International Crystal Mfg. Co. Inc., requests the creation of a new "HOBBY-CLASS" license in the Amateur Radio Service. Action on these petitions will be taken by the Commission in another proceeding at a future date

...0...

A DEEP BOW

To Royal Miller, W9CJO (Doug), and his committee on the Roster for 1965. It was a great job involving printing problems never before experienced by the club. If you want an extra one for your Sunday Suit, ask at a club meeting -- the entire club owes this gang a rising vote of thanks.

BRrrrrrrrr!!!!!!

Do you believe in antenna work in near zero weather? Travis Baird does - climbing towers, using 25 pounds of salt to thaw the base so nuts and bolts can be removed, to say nothing of hauling the 20 foot sections home with one end of a section in his car trunk, the other on a sled -- and High-Ho-Silver. The entire affair made the journey safely, and intact. The only reason we can think of for this sort of activity in the wintertime is---you need to know Travis, W9VQD.

THINGS THAT WE'D LIKE SOME NEWS ON:

Amateur Radio Week.....from Bernie Tower
Boost Wisconsin..... " Tony Kuntz
Robins, Spring Flowers and budding trees
from EVERYBODY
....0....

FRITZ FRANKE
HALLICRAFTERS PRINCE CHARMING

A report on Feb. 18th meeting --
As always, Fritz took the gang on a receiver and transmitter DESIGN TOUR, explaining GAIN-Harmonics-Parasitics as well as packaging the completed product. This tour is always informative and on this occasion everybody learned WHY just adding a switch, or a jack, or a bit of circuitry--the acquisition cost jumps and the amateur net just leaps out of sight. JIMMY BOOTH, make it BUTH, K9CJK, who never does win anything surprised even himself by winning a new Hallicrafters Vacuum Tube Volt-Ohmster---courtesy of Hallicrafters and STEVE of STERMAN ELECTRONICS-- All you unlucky people please note-- quit missing those meetings. You can't win if you're not there.

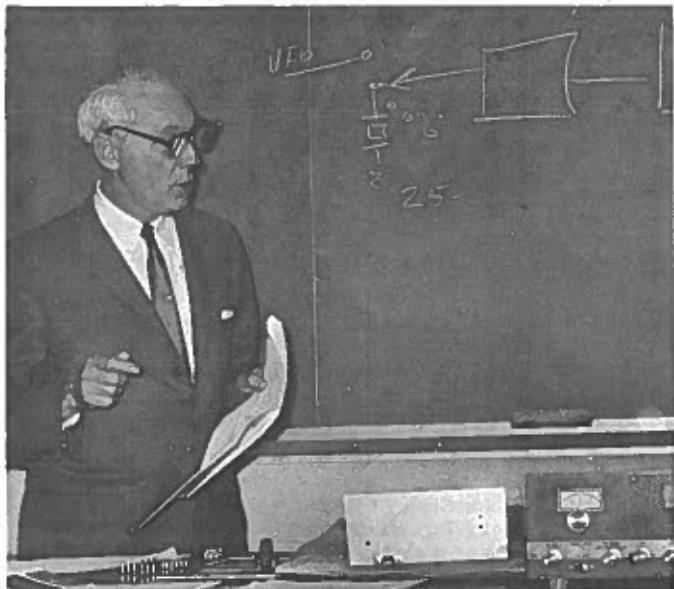


Photo by Hoppy, W9KYT
Fritz Franke, engineer for Hallicrafters, Chicago, explaining theory of receivers in connection with their new 6 meter xcvr SR*46 and SR*42 for 2 meters.

REPORT FROM BOB GOLDSTEIN - E C

In order to clarify some mis-understanding which has resulted concerning various amateur groups, the E. C. invites your attention to the inside front and rear covers of the new M.R.A.C. roster. Various organizations such as: A.R.E.C. N.T.S. A.R.P.S.C. M.A.R.S. R.A.C.E.S. and Red Cross are explained.

We have the following activities confirmed for this year:

May 15-----Armed Forces Day parade.
June 5 & 6----"On Wisconsin" road rally
of the Sports Car Club of
America.
July 4-----Giant fireworks display at
lakefront at night.
July 5-----Annual "Day in Old Milwau-
kee" circus parade in after-
noon. This year's parade
route will be shorter, but
the number of participating
wagons - bands - etc., will
be the same or larger.

Boy Scout outings - Our participation has been confirmed but the actual dates have not been established. B.S.A. HQ will notify us when and what.

If anyone has any ideas on how we may serve in other ways or with other groups please contact K9KJT, K9ZPP or W9ZPV or bring it up at a regular AREC meeting or on the Milwaukee Waukesha AREC net Monday evening on 146.67 MCS wideband FM.

EXPERIMENTAL*STAFF ARRL SHOW

A report on Feb. 4th meeting --
Too bad about this PEEUGH weather, we should have had more than 40 members and visitors but those who came participated in an historic event, the FIRST of ARRL CO-ORDINATED PROGRAMS, where sound, tape and color slides match up to give an almost human quality to a program that any club will welcome. The audience was taken step by step from the earliest desk space to the various headquarters and finally through the planning and building stages of the NEW Headquarters at Newington. Except for Dawson and Baird who had visited, everyone expressed surprise at the businesslike structure and the myriad of operations that are performed daily at ARRL. The club expresses it's congratulations to the League for developing this type of program and is looking forward to more - along other lines - just imagine Lew McCoy, W1ICP, speaking in Milwaukee on the Monomatch and in St. Louis on the same night, describing his one element beam! It is entirely possible using this media - and he can still inject a story or two to keep it the real McCoy.

R.G.8 U CO-AXIAL CABLE

Are you still using some of that old war surplus RG8U? Much of this stuff was never POLYETHALYNE insulated to begin with - it admitted moisture, had a poor velocity factor and was altogether an unsatisfactory feedline. Perhaps as a spring gift to yourself you might look into replacing the stuff -- it CAN make a difference when you give those electrons a fast track to travel on -- and according to field engineers with The Andrew Co., even the best RG8U should be replaced every 5 years.

**FCC RADIO OPERATORS EXAMS
BY APPOINTMENT ONLY**

COMMERCIAL EXAMINATIONS April 13th
AMATEUR EXAMINATIONS April 14th

Federal Building, Room 572 - Milwaukee

INSTRUCTIONS: All application for licenses must now be filed in advance and accompanied by the required fee. Please mail the application, the fee, and any license you now hold to Chicago.

Please specify the city in which you desire to take the examination. Failure to do this will require the return of the application. The fee you send in should be in the form of a check or money order payable to the FEDERAL COMMUNICATIONS COMMISSION. The FCC examiner is not authorized to accept any fees.

Upon receipt of an acceptable application, an FCC Form 79 NOTICE TO APPLICANT will be mailed specifying the place, date and hour you are to appear for examination. FCC Form 79 will be your admittance to examination room.

Fees are as follows:

<u>COMMERCIAL</u>	<u>AMATEUR</u>
First Class - \$5.00	General Class \$4.00
Second Class 4.00	Extra Class 4.00
Third Class 3.00	
Endorsements 2.00	

ADDRESS ALL INQUIRIES AND REQUESTS FOR FORMS TO CHICAGO. THE F.C.C. DOES NOT MAINTAIN OFFICES IN MILWAUKEE.

NOW AVAILABLE

Jack McLeland, W9ATK, requests that we announce his acquisition of several Motorola 41V transmitter and receiver combinations. These are the popular 2-meter wide band FM units that can operate at 12 volts mobile. Check his phone and QRA in the new roster for any further information. He asks that we advise you that this supply is limited and will be sold - as is, or on a cleaned, tuned-up, with the required crystals to work 146.67- - all on a first-come basis.

EASTERN WISCONSIN HAMFEST

Belgium Community Center, Belgium, Wis.
SATURDAY May 15th, 1965.

TREMENDOUS PRIZE LIST - HANDICAP BOWLING TOURNAMENT - (ABC SANCTIONED) LIVE ENTERTAINMENT - NET MEETING -- AREC (WIS. SEC) MEETING - - AND THE BEST FEED IN ALL WIS, FAMILY STYLE. SEND ADVANCE REGISTRATION NOW.

Ozaukee Radio Club, P.O.Box 13,
Port Washington, Wisconsin

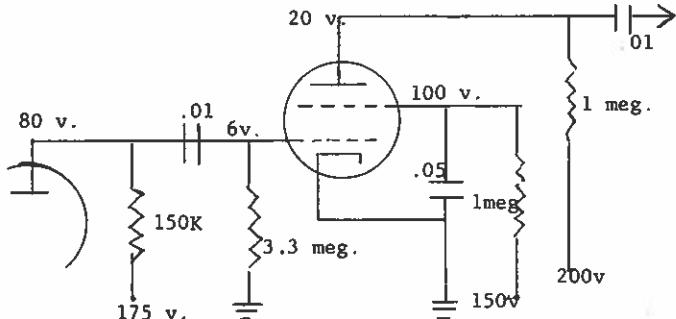
Name _____ (print)
Address _____ Call _____

I will () Will not () enter Bowling
Tourney. Handicap _____. Bowling fee \$2.00
all fees returned in prizes-PLUS.

Regular ADVANCE REGISTRATION \$3.00 if sent in
by May 5th for Banquet and Hamfest.

TRY YOUR IQ ON THIS ONE

Below is the diagram of an audio amplifier stage with measured voltages as marked. Some signal is getting through, but with considerable distortion, and less than normal volume. The tube is good. Can you find the defective component without disconnecting anything?



WE GET LETTERS

Carl Rohde, W9ROM, heard from Eric R. Milbrath, ex W9STE, who is now WB6FQV, and lives at 6670 La Jolla Dr., Riverside, Calif. Eric left this reservation 12 years ago and after completion of a stint with Uncle Sugar, winding up as MARS co-ordinator for the 4th Army at Fort Sill, he went with Federal Electric and moved to Alaska to become KL7BWQ for 7 years. Federal electric moved him to his present work at Hdqtrs 15th USAF-SAC as maintenance manager. Eric is running LOW power, but building - claims the cleanest breakin CW on the air. Enjoys CHATTER and especially says HI to Russ Burs, W9RKP, Tom Gettelman, W9IZO, John Scarvaci, W9GIL and Russ Greenwood, W9LVR. In closing, Eric says "73", see you all on 20CW.

BAD BREAKS

Allied Radio and Lowell Warshawsky, W9NGV, have come to a parting of ways. Lowell made his escape from the locally soggy scene to vacation in W4-land. Travis, W9VQD and John, K9BWL, are holding the fort at Allied.

INVITATION TO WORK ASCENSION ISLAND

Just received a letter dated March 4th from Harold Lund, xW9r who had been stationed in San Salvador, call VP7CX, that he has been transferred to Ascension Island. Many of us here have been working him regularly and he is now anxious to contact us from the new QTH. He writes "Will be watching for the Milwaukee gang on 20 SS8. I am on almost every evening from 1800 to 2230 GMT. Am usually xtg between 14.100 and 14.130 and listen on 14.290. I have been down here for three weeks and been on the air for one week. We are in the process of putting in a HAM SHACK complete with antennas from 80 to 2 meters. I have received copies of Hamateur Chatter and appreciate them very much." His mailing address is:

Harold R. Lund, ZD8HL
RCA Ascension AAFB
P. O. Box 4187
Patrick AFB, Florida (32925)

IT HAD TO HAPPEN SOME TIME

Some CW operator who apparently is able to copy phone and thereby pick up bad habits recently ended a transmission with "73s"-- in CW!